

# Claims

[c1] What is claimed is:

1. A method for transmitting display parameters between an electronic apparatus and a display device, the electronic apparatus comprising a display circuit, a first memory block, and a second memory block, the display device comprising a third memory block, the method comprising:

- (a) connecting the display device to the electronic apparatus;
- (b) transmitting first display parameters from the display device to the electronic apparatus and storing the first display parameters in the first memory block;
- (c) comparing the first display parameters and second display parameters predetermined by the display circuit;
- (d) forming third display parameters according to the comparison of the first display parameters and the second display parameters in step(c) and storing the third display parameters in the second memory block;
- (e) transmitting the third display parameters from the electronic apparatus to the display device and storing the third display parameters in the third memory block; and
- (f) displaying images according to the display parameters

stored in the third memory block by the display device.

- [c2] 2. The method of claim 1 wherein steps (a) to (f) are executed only when the first display parameters are not founded in the first memory block.
- [c3] 3. The method of claim 1 wherein the first memory block, the second memory block, and the third memory block are 128 bytes in size.
- [c4] 4. The method of claim 1 wherein the first display parameters, the second display parameters, and the third display parameters comprise resolution, scanning frequency, and color features.
- [c5] 5. The method of claim 4 wherein steps (c) to (d) compare resolution, scanning frequency, and color features of the first display parameters and the second display parameters to form the third display parameters.
- [c6] 6. The method of claim 1 wherein the first display parameters, the second display parameters, and the third display parameters comprise a first clock, a second clock, and a third clock respectively for signal synchronizing, and step (c) and step (d) compare the first clock with the second clock to form the third clock.
- [c7] 7. A method for transmitting display parameters between

an electronic apparatus and a display device, the electronic apparatus comprising a display circuit and predetermined a first display parameters, the display device comprising a second display data, the method comprising:

- (a) connecting the display device to the electronic apparatus;
- (b) transmitting the second display parameters from the display device to the electronic apparatus;
- (c) comparing the first display parameters with the second display data in the electronic apparatus;
- (d) forming a third display parameters according to the comparison of the first display parameters and the second display parameters in step(c);
- (e) transmitting the third display parameters from the electronic apparatus to the display device; and
- (f) displaying images according to the third display parameters by the display device.

[c8] 8. The method of claim 7 wherein the first display parameters, the second display parameters, and the third display parameters comprise a first clock, a second clock, and a third clock respectively for signal synchronizing, and step (c) and step (d) compare the first clock with the second clock to form the third clock.

[c9] 9. The method of claim 7 wherein the first display parameters, the second display parameters, and the third display parameters comprise resolution, scanning frequency and color features.

[c10] 10. The method of claim 9 wherein steps (c) to (d) compare resolution, scanning frequency, and color features of the first display parameters and the second display parameters to form the third display data.